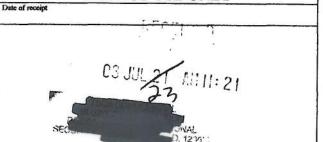
U.S. ENVIRONMENTAL PROTECTION AGENCY

EFDA

PREMANUFACTURE NOTICE

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Form Approved. O.M.B. No. 2070-0012. Approval Expires 10-31-96.

AGENCY USE ONLY

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in the Premanufacture Notice

GENERAL INSTRUCTIONS

TS

- You must provide all information requested in this form to the extent that it is known to or reasonably ascertainable by you. Make reasonable estimates if you do not have actual data
- Before you complete this form, you should read the "Instructions Manual for Premanufacture Notification" (the Instructions Manual is available from the Toxic Substances Control Act (TSCA) Information Service by calling 202-554-1404, or faxing 202-554-5603).
- If a user fee has been remitted for this notice (40 CFR 700.45), indicate in the boxes above the TS-user fee identification number you have generated. Remember, your user fee ID number must also appear on your corresponding fee remittance, which is sent to EPA, HQ Accounting Operations Branch (PM-226), P.O. 360399M, Pittsburgh, PA 15251-6399, Attn. TSCA User fee.

Part I - GENERAL INFORMATION

You must provide the currently correct Chemical Abstracts (CA) Name of the new chemical substance, even if you claim the identity as confidential. You may authorize another person to submit chemical identity information for you, but your submission will not be complete and the review will not begin until EPA receives this information. A letter in support of your submission should reference your TS user fee identification number. You must submit an original and two copies of this notice including all test data If you claimed any information as confidential, a single sanitized copy must also be submitted.

Part II - HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE

If there are several manufacture, processing, or use operations to be described in Part II, sections A and B of this notice, reproduce the sections as needed.

Part III - LIST OF ATTACHMENTS

Attach additional sheets if there is not enough space to answer a question fully Label each continuation sheet with the corresponding section heading. In Part III, list these attachments, any test data or other data and any optional information included in the notice

OPTIONAL INFORMATION

You may include any information that you want EPA to consider in evaluating the new substance. On page 11 of this form, space has been provided for you to described pollution prevention and recycling information you may have regarding the new

So-called "binding" boxes are included throughout this form for you to indicate your willingness to be bound to certain statements you make in this section, such as use, production volume, protective equipment . . . This option is intended to reduce delays that routinely accompany the development of consent orders or Significant New Use Rules. Except in the case of exemption applications (such as TMEA, LVE, LOREX) where certain information provided in such notification is binding on the submitter when the Agency approves the exemption application, checking a binding box in this notice does not by itself prohibit the submitter from later deviating from the information (except chemical identity) reported in the form.

CONFIDENTIALITY CLAIMS

You may claim any information in this notice as confidential. To assert a claim on the form, mark (X) the confidential box next to the information that you claim as confidential. To assert a claim in an attachment, circle or bracket the information you claim as confidential. If you claim information in the notices as confidential, you must also provide a sanitized version of the notice, (including attachments). For additional instructions on claiming information as confidential, read the Instructions Manual.

Mark (x) if any information in this notice is claimed as confidential.

TEST DATA AND OTHER DATA

You are required to submit all test data in your possession or control and to provide a description of all other data known to or reasonably ascertainable by you, if these data are related to the health and environmental effects on the manufacture, processing, distribution in commerce, use, or disposal of the new chemical substance. Standard literature citations may be submitted for data in the open scientific literature. Complete test data (written in English), not summaries of data, must be submitted if they do not appear in the open literature. You should clearly identify whether test data is on the substance or on an analog. Also, the chemical composition of the tested material should be characterized. Following are examples of test data and other data. Data should be submitted according to the requirements of §720.50 of the Premanufacture Notification Rule (40 CFR Part 720)

Test Data	(Check Below any incl	uded in	this not	ice)			
• Enviro	onmental fate data		Yes	•	Other data		Yes
• Health	effects data		Yes		Risk assessr	nents	
• Enviro	onmental effects data		Yes		Structure/ac	tivity r	elationships
• Physic	cal/Chemical Properties*	×	Yes		Test data no or control of		
* A phy	sical and chemical propert	ies wor	ksheet is	loca	ted on the last	t page	of this form.
TYPE OF	NOTICE	(Che	ck Only	One)		
\boxtimes	PMN (Premanufacture	Notice)				
	INTERMEDIATE PM	N (subi	nitted in	sequ	ence with fins	al prod	uct PMN)
	SNUN (Significant Ne	w Use 1	Notice)				
	TMEA (Test Marketing	g Exem	ption Ap	plica	ition)		
	LVE (Low Volume Ex	canption	n)@40	CFR	723.50(c)(1)		
	LOREX (Low Release)	Low E	xposure	Exen	aption)@40	CFR 7	23.50(c)(2) ·
	LVE Modification	123		L	OREX Modifi	cation	
IS THIS A	CONSOLIDATED PMN	7		Y	os		
	hemicals tice Communication # reco	uired e	nter# on	nage	e 3)		



Public reporting burden for this collection of information is estimated to average 110 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M. St., S.W., Washington, D.C. 20460; and to the Office of Management and Budget, Paperwork Reduction Act (2070-0012), Washington, D.C. 20503. CERTIFICATION I certify that to the best of my knowledge and belief: The company named in Part I, section A, subsection 1a of this notice form intends to manufacture or import for a commercial purpose, other than in small quantities solely for research and development, the substance identified in Part I, Section B. All information provided in this notice is complete and truthful as of the date of submission. I am submitting with this notice all test data in my possession or control and a description of all other data known to or reasonably ascertainable by me as required by §720.50 of the Premanufacture Notification Rule. **Additional Certification Statements:** If you are submitting a PMN, Intermediate PMN, Consolidated PMN, or SNUN, check the following user fee certification statement that applies: The Company named in Part I, Section A has remitted the fee of \$2500 specified in 40 CFR 700.45(b), or The Company named in Part I, Section A has remitted the fee of \$1000 for an Intermediate PMN (defined @ 40 CFR 700.43) in accordance with 40 CFR 700.45(b), or The Company named in Part I Section A is a small business concern under 40 CFR 700.43 and has remitted a fee of \$100 in accordance with 40 CFR 700.45(b). If you are submitting a low volume exemption (LVE) application in accordance with 40 CFR 723.50(c)(1) or a Low release and low exposure exemption (LoRex) application in accordance with 40 CFR 723.50(c)(2), check the following certification statements: The manufacturer submitting this notice intends to manufacture or import the new chemical substance for commercial purposes, other than in small quantities solely for research and development, under the terms of 40 CFR 723.50. The manufacturer is familiar with the terms of this section and will comply with those terms; and The new chemical substance for which the notice is submitted meets all applicable exemption conditions. If this application is for an LVE in accordance with 40 CFR 723.50(c)(1), the manufacturer intends to commence manufacture of the exempted substance for commercial purposes within 1 year of the date of the expiration of the 30 day review period. ents you make in this notice should reflect your be described herein. Any knowing and willful misinterpretation is subject to criminal penalty pursuant to 18 USC 1001.

Signature and title of Authorized Miscrif (Original Signature Required)

Date Confidential X 07/18/2003 Signature of agent - (if applicable) Date

		Part I – GENER	AL INFORMATIO	N			
Se	ction A - SUBMI	TTER IDENTIFICATION		- F1 .: .			Confi-
la.	Person	Mark () the "Confidential" box next to any Name of authorized official	Position	confidential			dential
	Submitting	The state of the s	Tosidon				x
	Notice (in U.S.)	LEGISTER .	英语自己的				_^
		Company					
		Course Corporation ?					
		Mailing address (number and street)					
		Oity, State, ZIP Code					
		Oity, State, ZIP Code					
		elouston, TX 77220		STATE OF STATE OF			
b.	Agent (if	Name of authorized official	Position				
	applicable)						
		Company					
		· · · · · · · · · · · · · · · · · · ·					
		Mailing address (number and street)					
		City, State, ZIP Code	Telephone	Area Code	Number		17 18
					+		
C.	If you are submitte	ing this notice as part of a joint submission, mark (X) this bo	OX			→ □	
Join	t Submitter (if	Name of authorized official	Position				
	applicable)						
		C					
		Company					
	0.6	Mailing address (number and street)	· · · · · · · · · · · · · · · · · · ·				
	9	City, State, ZIP Code	Telephone	Area Code	Number	~~~	
		0.19, 0.111, 2.2 0.110	rerepitede	7848 0000	- Trumboa		
2.	Technical Contact (in	uthorized official	Position			34.4	
	U.S.)	Barro Ball	Propidop				
		Company				083-331-33	
		Mailing address (number and street)					NEW Y
		ivialing address (number and street)					
		(O Burn 2707					SEC.
		City, State, ZIP Code	Telephone	Area Code	Number		
		Figuston, TX ///2203	1 1	(13)		7	
3.	If you have had a p	renotice communication (PC) concerning this notice					
		PC Number to the notice, enter the number.		Mark (X)		\boxtimes	
				if none			
4.	If you previously s	abmitted an exemption application for the chemical					
	substance covered	by this notice, enter the exemption number assigned by susty submitted a PMN for this substance enter the		Mark (X)		\boxtimes	
	PMN number assig	ned by EPA (i.e. withdrawn or incomplete).		if none			
5.	If you have submitt	ed a notice of Bona fide intent to manufacture or import	18				
	assigned by EPA.	bstance covered by this notice, enter the notice number		Mark (X) if none		\boxtimes	[
	2220 853	-					
6.	Type of Notice	- Mark (X) 1. Manufacture	2. Import	L.	alian -		
٥.	AJPO OF FROMOG	Omy	Only		3. Both	l .	- 3
		Binding Option Mark (X)	Bindin Mark (g Option			

	AL INFORMATION - Continued
Section B CHEMICAL IDENTITY INFORMATION:	You must provide a currently correct Chemical Abstracts (CA) name of the substance based on the ninth Collective Index (9CI) of CA nomenclature rules and conventions.
Mark (X) the "Confidential Complete either item 1 (Class 1 or 2 substances) or 2 (Poly	al" box next to any item you claim as confidential
	Annual material and the control of t
Identify the name, company, and address of that person in	on for you (for either Item 1 or 2), mark (X) the box at the right. Confi- a continuation sheet.
 Class 1 or 2 chemical substances (for definitions of class 1 and class) 	ass 2 substances, see the Instructions Manual)
a. Class of substance - Mark (X) 1 Class 1	
For Class 1 substances a CA Index Name must be provided.	Name that is consistent with TSCA Inventory listings for similar substances. For Class 2 substances either a CA Index Name or CA Preferred Name must
be provided, which ever is appropriate based on CA 9CI non	nenclature rules and conventions).
	and the second s
c. Please identify which method you used to develop or obtain	the specified chemical identity information reported in this notice: (check one).
Method 1 (CAS Inventory Expert Service - a copy o	The state of the s
report obtained from the CAS Inventory Expert Serv	vices must be
submitted as an attachment to this notice)	
d. Molecular formula and CAS Registry Number (if a number a	already exists for the substance)
	1
	CASH
	CAS#
e. For a class 1 substance, provide a complete and correct chem	nical structure diagram. For a class 2 substance - (1) List the immediate
precursor substances with their respective CAS Registry Nur	mbers. (2) Describe the nature of the reaction or process. (3) Indicate the
range of composition and the typical composition (where app	propriate). (4) Provide a correct representative or partial chemical structure
diagram, as complete as can be known, if one can be reasonal	ibiv ascertained
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Mark (X) this box if you attach a continuation sheet	

Part I - GENERAL INFOR	RMATIO	N - Continue	d	er i i — como tropercon		
Section B CHEMICAL IDENTITY INFORMATION Continued						
Polymers (For a definition of polymer, see the Instructions Manual.)						Confi- dential
a Indicate the number-average weight of the lowest molecular weight composit Indicate maximum weight percent of low molecular weight species (not inclu	ion of the po ding residua	olymer you intend d monomers, reac	to manufactants, or so	cture. Ivents) bel	ow 500 and	х
below 1,000 absolute molecular weight of that composition. Describe the methods of measurement or the basis for your estimates: GPC		Other : (Sp	ecify)			
i) lowest number average molecular weight:			-			
ii) maximum weight % below 500 molecular weight:						
iii) maximum weight % below 1000 molecular weight:						
Mark (X) this box if you attach a continuation sheet.		•				
b. You must make separate confidentiality claims for monomer or other reactant						an .
"Confidential" box next to any item you claim as confidential	identity, co	mposition inform	ation, and r	esidual info	ormation. Mark ((X) the
Provide the specific chemical name and CAS Registry Number (if the polymer.	a number ex	cists) of each mor	omer or oth	ner reactant	used in the man	ufacture of
(2) - Mark (X) this column if entry in column (1) is confidential.						
 (3) - Indicate the typical weight percent of each monomer or other react (4) - Mark (X) the identity column if you want a monomer or other react 	ant in the po tant used at	lymer. two weight perce	nt or less to	be listed a	s part of the poly	mer
description on the TSCA Chemical Substance Inventory.						
(5) - Mark (X) this column if entries in columns (3) and (4) are confident	ntial.	1				
 Indicate the maximum weight percent of each monomer or other recommercial purposes. 	ectant that r	nay be present as	a residual i	n the polyn	ner as manufactu	red for
(7) - Mark (X) this column if entry in column (6) is confidential.						
Monomer or other reactant and CAS Registry Number	Confi-	Typical	Identity	Confi-	Maximum	Confi-
799 1466 T	dential	composition	Mark (X)	dential	residual	dential
	(2)	(3)	(4)	(5)	(6)	(7)
	X	%		X	%	X
5/	X	%		Х	%	X
	X	%		X	%	X
	X	%		X	%	X
	X	%		X	%	Х
		%			%	
		%			%	
Mark (X) this box if you attach a continuation sheet.	1.111.00					A STATE OF
c. Please identify which method you used to develop or obtain the specified cher					eck one).	
Method 1 (CAS Inventory Expert Service - a copy of the identification		Method 2 (c	other source)		
obtained from CAS Inventory Expert Service must be submitted as as attachment to this notice)	1					32523
d. The currently correct Chemical Abstracts (CA) name for the polymer that is co	oneigtent wit	h TSCA Inventor	y lictings fo	r similar r	volumere	
The second secon	- LOUGHOUTH WI	100/1 hrvakoj) manings it	Januar I	organous.	Х
a Provide a correct representative on mostial sharpined atmesture discovery as server	Note the last	SERVICE STATE OF THE PARTY OF T	A TOTAL PROPERTY.	MARKET !		
 Provide a correct representative or partial chemical structure diagram, as comp 	nete as can	be known, if one	can be reaso	madiy asce	nameo.	
						X
A TOP OF THE PARTY				4.6		1
						I
				6.3		
				3 6		
Vinera: R may 100 100 100 100 100 100 100 100 100 10				120		
2000年至1000年的1000				40		
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	All and the last of	以公司 红海之一时间	THE LEW			
Пи 1 сва 11 г. г. н. т.						-
Mark (X) this box if you attach a continutation sheet.						

Part I GENERAL INFOR	MATION - Continued	
Section B CHEMICAL IDENTITY INFORMATION Continued		
 Impurities (a) - Identify each impurity that may be reasonably anticipated to be present in CAS Registry Number if available. If there are unidentified impurities, e 	enter "unidentified."	Provide the
(b) - Estimate the maximum weight % of each impurity. If there are unidentif		
Impurity and CAS Registry Number	Maximum percent	Confi- dential
(a)	(b)	denuai
None Known	%	
	%	
	%	
	%	
	%	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	%	
	/*	
	%	
Mode (V) this has if you stock a serious in the		
Mark (X) this box if you attach a continuation sheet. Synonyms - Enter any chemical synonyms for the new chemical identified in subsect	tion 1 or 2.	Confi-
Control Management of the Control of		dential
中代中央和北大社会一个国际的 日本的社会的 中共产生中国的	一次一个,这个一个一个是有一种有效。 计算算机	X
Mark (X) this box if you attach a continuation sheet.	× 1	
5. Trade identification - List trade names for the new chemical substance identified in	subsection 1 or 2.	×
	368	X
Mark (X) this box if you attach a continuation sheet.		
 Generic chemical name - If you claim chemical identify as confidential, you must the specific chemical identity of the new chemical substa TSCA Chemical Substance Inventory, 1985 Edition, App Polyester Polyol 	ance to the maximum extent possible. Refer to the	
Mark (X) this box if you attach a continuation sheet.		
7. Byproducts - Describe any byproducts resulting from the manufacture, processing	g, use, or disposal of the new chemical substance. Provide the CAS	Registry
Number if available.	CASP	0 6
Byproduct	CAS Registry Number (2)	Confi- dential
None Known		
ANT THE		******
September 1997	THE STATE OF THE S	
Mark (X) this box if you attach a continuation sheet.		

	Part	I –	GENE	RAL IN	FOR	MATI	ON-	- Conti	inued				
Se	ection C - PRODUCTION, IMPOR												
	Mark (X) the "Confident												
1.	Production volume Estimate the man production volume for any consecutive l substance basis. For a Low Volume Exc kg/yr, specify the volume and mark (x) in	2-mon	th period applicati	during the on, if you	first the	ree years of to have yo	of proc	luction. E	Estimates s	hould be o	on 100% n	ew chemi	cal 0,000
	Maximum first 12-month produ (100% new chemical substan	ction	(kg/yr)	x. ii gian	M	laximum	12-m	onth pro	duction (l bstance b	kg/yr) asis)	Con	ial Or	nding otion
									}		х		rk (x)
2.	Use Information - You must make sepa	arate co	onfidentia	lity claims	for the	description	on of th	ne categor	y of use, t	he percent	of produc	tion volu	me
	devoted to each category, the formulation you claim as confidential. a. (1) — Describe each intended cate; (2) — Mark (X) this column if entricular (3) — Indicate your willingness to (4) — Estimate the percent of total (5) — Mark (X) this column if entricular (6) — Estimate the percent of the monomercial purposes at sites (7) — Mark (X) this column if entricular (8) — Indicate % of product volumn your willingness to have the (9) — Mark (X) this column if entricular (9) — Mark (X) this column if entricular (1) — Mark (X) th	gory of y colu- have the producty in co- new sul- s under y in co- ne expe- use ty-	f use of the mn (1) is the information for the lumn (4) bestance as your conclumn (6) exted for the provider	e new cher confidentia ation provi he first thr is confider formulate trol associ is confider he listed "i ed in (8) bi	mical su al busin ided in a ee years ntial bus d in mis ated wit ntial bus see" sec inding.	ubstance b ess inform column (1 s devoted siness info ktures, sus th each car siness info ttors. Mar	y func- nation) bindi- to each rmatic spensic tegory ormatic k more	tion and a (CBI). ing. in category on (CBI). ons, emuls of use. on (CBI). e than one	of use. sions, solutes box if app	 tions, or g	els as man	ufactured	for
	Category of use (1)	CBI	Binding Option	Produc-	CBI	% in	CBI		% of subst		ted per use		CBI
(bs	y function and application i.e. a dispersive dye		Mark (x)	tion %		Form- ulation		Site-	Con-*	(8) Indus-	Com-	Binding	1
(0)	for finishing polyester fibers)	(2)	(3)	(4)	(5)	(6)	(7)	limited	sumer	trial	mercial	Option	(9)
	N. S. L. L. L. BERTHARD KING	Х	7.	100 %		40 %				X			
				%		%							
				%		%							
				%		%							
				%		%							
				%		%							
	4			%		%							
1	If you have identified a "consumer" use, please In addition include estimates of the concentration substance loses its identity in the consumer production Mark (X) this box if you attach a continuation b. Generic If you claim any catego	on of the duct. sheet.	e new chen	nical substa	nce as ex	spected in c	onsum	er products	and describ	e the chem	ical reaction	ns by which	
	use Instructions Manual	for exam	mples of ge	neric use de	escription	ns.							
	description Polyol componen	it in p	oiyester	resin sy	ntnesi	s - aestr	UCUVE	e use.					
_] Mad 00 di la 16												
3.	Mark (X) this box if you attach a continuation Hazard Information — Include in the notice a		reasonable	facsimile o	of any ha	zard warnin	ng state	ment labe	l. material s	afety data s	heet or oth	er Bin	ding
j	information which will be provided to any perso for the safe handing, transport, use, or disposal	on who	is reasonal	oly likely to	be expos	sed to this s	ubstan	ce regardin	g protective			Ор	tion k (x)
\boxtimes	Mark (X) this box if you attach hazard inform	nation.								1			

		I- HUMAN EXPOSURE			
	on A – INDUSTRIAL S	SITES CONTROLLED BY TH	HE SUBMITTER	Mark (X) the "Confidential" box next t claim as confidential	5 ×5×
contr there	ol. Importers do not have to are further industrial proces	o complete this section for operation	as outside the U.S.; however	ew chemical substance at industrial site er, you may still have reporting requirer operations. See instructions manual	s you ments if
	peration description	ties of the site of which the consection		12.	Confi-
<u>a.</u>	Name	tity of the site at which the operation	n will occur.		dential
	Site address (num	ber and street)			
	City, County, Stat	te. ZIP code			10836
			19		
If th	ne same operation will occur	r at more than one site, enter the nur	mber of sites. Identify the		
pro	duction rates or operations.	on sheet, and if any of the sites have include all the information requeste	d in this section for those		
	s as attachments.				
	Mark (X) this box if you a	attach a continuation sheet.			1000
b.	31			—	
	Mark (X)	Manufacturing	Processing	Use	
	c. Amount and Duration	on Complete 1 or 2 as appropriate Maximum kg/batch (100% new chemical	Hours/batch	Batches/year	
	1. Batch	substance)	Homsoaten	Batchesyear	X
		Maximum kg/batch (100% new chemical	Hours/batch	Batches/year	
	2. Continuous	substance)		0 00000000 V 1000	
d Pro	ocess description Mark	(X) to indicate your willingness to have	process description bing	<u> </u>	
(1)	kan makan manan pahintan merengan dan sanan			omg. ansport containers (specify- e.g. 5 gallon pail	s 55 gallon
(2)	drum, rail car, tank truck, etc.) Provide the identity, the apprecedences (including reactar used daily or per batch.).	c.). proximate weight (by kg/day or kg/batch	on a 100% new chemical sub products, recycle streams, and	bstance basis), and entry point of all starting wastes. Include cleaning chemicals (note from	materials and
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STATES AND ADDRESS OF THE PARTY					
A.F.					
			CORTON DE LA CO	BUNK AS A CONTRACTOR	THE COL

	Commence of the commence of th						RONMEN.			EASE -	- Cor	itinued		
Section	A - INDUST	RIAL SIT	res (CONTRO	LLED BY	THE SU	BMITTER -	Continu	ied					
2. Occu	pational Exposur	- You mus	st make	separate cor	ifidentiality cl	aims for the	description of wor	rker activi	ty, phy	sical form o	of the ne	ew chemical	substance	,
(1)	er of works expose Describe the activi	d, and durat	ion of	activity. Mai	rk (X) the "Co	nfidential" b	ox next to any iter	m you clai	m as c	onfidential.				
(2) -	Mark (X) this colu	mn if entry i	in colu	mn (1) is con	ig, unroading o fidential busin	urums, samp ess informa	tion (CRI)) in which	work	ers may be e	exposed	to the subs	tance.	
(3)	Describe any prote	ctive equipm	nent an	d engineering	g controls use	d to protect v	workers.							
(4) an	id (6) Indicate yo	ur willingne	ess to h	ave the inform	mation provid	ed in column	(3) or (5) binding	ţ.						
(5)	Indicate the physic	al form(s) o	f the ne	w chemical s	substance (e.g	., solid: crys	tal, granule, powde	er, or dust	and 9	6 new chem	ical sub	stance (if p	art of a mix	xture)
(T)	at the time of expo Mark (X) this colu	sure. mn ifentry i	in colum	nn (5) is con	fidential busin	ace informa	ion (CBI)							
(8) -	Estimate the maxim	num number	r of wo	rkers involve	ed in each activ	vity for all si	tes combined.							
(9) -	Mark (X) this colu	mn if entry i	in colur	nn (8) is cont	fidential busin	ess informat	ion (CBI).							
(10) a	nd (11) - Estimate	the maximu	um dura	tion of the ac	ctivity for any	worker in h	ours per day and o	lays per ye	еаг.					
(12)	Mark (X) this colu Worker activity	umn if entrie	CBI		e Equipment/	Binding	Physical forms(s)	(CBI).	CDI		COL			
			CDI	Protective	e Equipment/	Binamic	Physical forms(s)	Daking	CBI	# of	CBI	Maximu m	duration	CBI
(i.e., ba	g dumping, filling	drums)		Engineer	ing Controls	Option	and % new	Option		Workers		Hrs/day	Days/yr	
	(1)	1	(2)	3000	120	Mark (x) (4)	substance (5)	Mark (x) (6)	(7)	Exposed	(0)	(10)		(10)
Compli	(1)		(2)	D F	(3)	1 (7		(0)	(7)	(8)	(9)	(10)	(11)	(12)
Sampli	ng reactor	,			Protective		Liquid				X			х
Dumnin	g to Blend Ta	nk		Eguipme			Linuid							
rumpa	ig to biend ta	1111		Eliciose	d System		Liquid				Х			Х
Filtratio	n			Proper F	Protective		Liquid		-		-			
				Equipme			Liquid				X			Х
Loading	to Truck				d System	-	Liquid				х			X
	,				a cyclom		Liquid				^			^
Mark	(X) this box if you	attach a co	ntinuat	ion sheet										
	onmental Release				e separate con	fidentiality	claims for the relea	se numbe	r and t	he amount o	of the no	ew chemical	substance	
releas	ed and other release	e and dispos	al info	rmation. Mai	rk (X) the "Co	mfidential" l	ox next to each ite	em you cla	im as	confidential	l.			10
(1) 1	Enter the number o	f each releas	se point	t identified in	the process d	escription, p	art II, section A, s	ubsection	1d(3).					
(2) 1	Estimate the amour Mark (X) this colur	nt of the new	substa	ince released	(a) directly to	the environ	ment or (b) into co	entrol tech	nology	(in kg/day	or kg/b	atch).		
(4) -	Identify the media	stack air. fu	gitive a	air (ontional-	see Instruction	enuai ousine Manual) si	urface water on-si	bi). te or off-s	ite lan	d or inciner	ation D	OTW or off	ner (enenifi	ν\\ to
	which the new subs	tance will b	e releas	sed from that	release point.									,,, 10
(5) 1	 Describe control 	technology	, if any	, and control	efficiency tha	t will be use	d to limit the relea	se of the r	iew su	bstance to th	ne envir	onment. Fo	r releases	
•	disposed of on land	, characteriz	ze the d	isposal metho	od and state w	hether it is a	pproved for dispos	sal of RCI	RA haz	ardous was	te. On	a continuati	on sheet, fo	or
1	each site describe a the amount released	ny additiona	il dispo	sal methods	that will be us	ed and whet	her the waste is su	bject to se	conda	ry or tertiary	on-site	treatment.	b. Estima	te
(6)-1	Mark (X) this colur	nn if entries	in colu	in after contro imps (4) and	(5) are confid	(in kg/day). ential busine	es information (C)	RI)						
(7) - 1	dentify the destina	tion(s) of rel	leases t	o water. Plea	ase supply NP	DES (Nation	nal Pollutant Disch	arge Elim	inatio	System) n	umbers	for direct di	scharges o	r I
1	NPDES numbers of	f the POTW	(Public	cly Owned To	reatment Worl	ks). Mark (2	() if the POTW na	me or NP	DES#	is confiden	tial bus	iness inform	ation (CB)	D.
Release	Amount of new		CB	I Media of release	Contr	ol technolog	y and efficiency (you may v	vish to	optionally a	attach e	fficiency da	ta)	CBI
Number (1)	release (2a)	(2b)	-	e.g. stack air						Dindles				
(1)	(2a)	(20)	(3)	(4)			(5a)			Binding Mark (X)		(5b)	1	(6)
1						Service Se	THE RESERVE	100				(30)		
	-				Carlonator		Marie Control							
2					10,471		34 1 350	2 PM 12					- 1	x
			-		THE PARTY		Charles of the last of the las		J		30			
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	1				1						ř		1	I
(7) Mark (Y) the			1	CDI				7.0	ļl		MDDD2 "		CDT
	r	OTW provid	de name	e(s) below:	CBI	Navigable	U Ott	ner - Speci	fy		provide	NPDES #		CBI
destination				2019		waterway					14 01.1		gClaims	200
releases to	water.		and the first		1000								ATE	1
10.3 (117.00)	and the state of t	A Transferring	Cherry Car	EURA-SIESER	14 (1) (1) (1) (1) (1) (1) (1)	A STORY OF THE	*(1)	79490	CAR PH	e straight (5 - 54 - 51 V C III	Sea Carrie	EL CE
Mark	(X) this box if you	attach a con	ntinuati	ion sheet.										

Part II- HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE - Continued

Section B - INDUSTRIAL SITES CONTROLLED BY OTHERS

Complete section B for typical processing or use operations involving the new chemical substance at sites you do not control. Importers do not have to complete this section for operations outside the U.S.; however, you must report any processing or use activities after import. See the Instructions Manual. Complete a separate section B for each type of processing, or use operation involving the new chemical substance. If the same operation is performed at more than one site describe the typical operation common to these sites. Identify additional sites on a continuation sheet.

1. Operation Description — To claim information in this section as confidential, circle or bracket the specific information that you claim as confidential.

(1) — Diagram the major unit operation steps and chemical conversions, including interim storage and transport containers (specify - e.g. 5 gallon pails, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, identify by letter and briefly describe each worker activity. (2) — Provide the identity, the approximate weight (by kg/day or kg/batch, on an 100% new chemical substance basis), and entry point of all feedstocks (including reactants, solvents and catalysts, etc) and all products, recycle streams, and wastes. Include cleaning chemicals (note frequency if not used daily or per batch). (3) — Identify by number the points of release, including small or intermittent releases, to the environment of the new chemical substance (4) Please enter the # of sites (remember to identify the locations of these sites on a continuation sheet):

of sites

Usage is typified by process below – products may by TSCA-listed or may qualify for 'polymer exemption'. PMN substance delivered to customer in either tank trucks or rail cars and pumped to storage. Substance enters process at "A". See attachment sheet, page 19.

◁	Mark	(X) this	box if	you attach a	continuation	sheet
_2		(/		1		DILLOUG .

2. Worker Exposure/Environmental Release

From the diagram above, provide the letter for each worker activity. Complete 2-8 for each worker activity described.

(2) -- Estimate the number of workers exposed for all sites combined.

(4) - Estimate the typical duration of exposure per worker in (a) hours per day and (b) days per year.

(6) - Describe physical form of exposure and % new chemical substance (if in mixture), and any protective equipment and engineering controls, if any, used to protect workers.

(7) - Estimate the percent of the new substance as formulated when packaged or used as a final product.

- (9) From the process diagram above, enter the number of each release point. Complete 9-13 for each release point identified.
- (10) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology to the environment (in kg/day or kg/batch).

 (12) -- Describe media of release i.e. stack air, fivetive air (optional-see instructions Manual) surface water on off site land or incinential and or provided a control technology.
- (12) Describe media of release i.e. stack air, fugitive air (optional-see Instructions Manual), surface water, on-site or off-site land or incineration, POTW, or other (specify) and control technology, if any, that will be used to limit the release of the new substance to the environment.

(14) - Identify byproducts which may result from the operation.

(12)	(1
	+
Off-site	
Off-site	
Off-site	

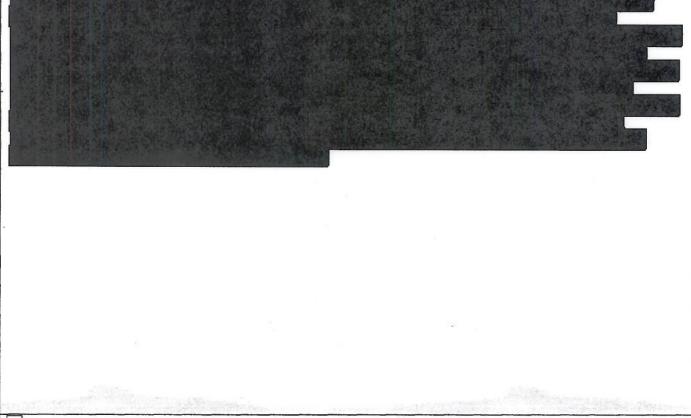
Mark (X) this box if you attach a continuation sheet,

OPTIONAL POLLUTION PREVENTION INFORMATION

To claim information in this section as confidential circle or bracket the specific information that you claim as confidential. In this section you may provide information not reported elsewhere in this form regarding your efforts to reduce or minimize potential risks associated with activities surrounding manufacturing, processing, use and disposal of the PMN substance. Please include new information pertinent to pollution prevention, including source reduction, recycling activities and safer processes or products available due to the new chemical substance. Source reduction includes the reduction in the amount or toxicity of chemical wastes by technological modification, process and procedure modification, product reformulation, raw materials substitution, and/or inventory control. Recycling refers to the reclamation of useful chemical components from wastes that would otherwise be treated or released as air emissions or water discharges, or land disposal. Descriptions of pollution prevention, source reduction and recycling should emphasize potential risk reduction subsequent to compliance with existing regulatory requirements and can be either quantitative or qualitative. The EPA is interested in the information to assess overall net reductions in toxicity or environmental releases and exposures, not the shifting of risks to other environmental media or non-environmental areas (e.g., occupational or consumer exposure). In addition, information on the relative cost or performance characteristics of the PMN substance to potential alternatives may be provided.

All information provided in this section will be taken into consideration during the review of this substance. See Instructions Manual and Pollution Prevention Guidance manual for guidance and examples.

Describe the expected net benefits, such as (1) an overall reduction in risk to human health or the environment; (2) a reduction in the volume manufactured; (3) a reduction in the generation of waste materials through recycling, source reduction or other means; (4) a reduction in potential toxicity or human exposure and/or environmental release; (5) an increase in product performance, a decrease in the cost of production and/or improved operation efficiency of the new chemical substance in comparison to existing chemical substances used in similar application; or (6) the extent to which the new chemical substance may be a substitute for an existing substance that poses a greater overall risk to human health or the environment.



Part III -- LIST OF ATTACHMENTS

Attach continuation sheets for sections of the form and test data and other data (including physical/chemical properties and structure/activity information), and optional information after this page. Clearly identify the attachment and the section of the form to which it relates, if appropriate. Number consecutively the pages of the attachments. In the column below, enter the inclusive page numbers of each attachment.

Mark (X) the "Confidential" box next to any attachment name you claim as confidential. Read the Instructions Manual for guidance on how to claim any information in an attachment as confidential. You must include with the sanitized copy of the notice form a sanitized version of any attachment in which you claim information as confidential.

Attachment name	Attachment	Confi-
	page number(s)	dentia
Material Safety Data Sheet (MSDS)	12.15	
Tatellal Salety Data Sheet (MSDS)	13-15	
Molecular Weight Determination - GPC	16-17	
nfared Scan	18	
Continuation Sheet for Part II. Section B.1 and B.2	19	
Physical and Chemical Property information	20	
CAS Inventory Expert Service Report	21	
×		
_AST		Sec.
Mark (X) this box if you attach a continuation sheet. Enter the attachment name and number.		100